

## Ebola outbreak: analyzing the data – worksheet

*Directions: Use the infographic and table to answer the following questions and to draw conclusions about data.*

**Table: Number of cases and death by species among outbreaks of hemorrhagic fevers due to Ebola virus Africa between 1976 and 2014 (Data source: The World Health Organization)**

Country	Year	Number of cases	Number of death	Case fatality rate (%)
Sudan	1976	284	151	
Democratic Republic of Congo	1976	318	280	
Democratic Republic of Congo	1977	1	1	
Sudan	1979	34	22	
Gabon	1994	52	31	
Democratic Republic of Congo	1995	315	254	
South Africa	1996	1	1	
Uganda	2000	425	224	
Congo	2001	59	44	
Gabon	2001	65	53	
Sudan	2004	17	7	
Congo	2005	12	10	
Uganda	2007	149	37	
Democratic Republic of Congo	2007	264	187	
Democratic Republic of Congo	2008	32	14	
Uganda	2011	1	1	
Democratic Republic of Congo	2012	57	29	
Uganda	2012	7	4	
Uganda	2012	24	17	
Liberia-Guinea-Sierra Leone (ongoing)	2014	453	245	

- 1) Which outbreak(s) had the highest fatality rate? Why might this data not help you answer this question confidently?

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**2)** Calculate the following for the Case Fatality Rate.

Mean:

Median:

Mode:

Range:

**3)** Which do you think best describes the data. Why?

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**4)** What conclusions can you draw from this data?

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